Page 1 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1647 August 26, 1997 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS | FILING DATE AΑ AB AC AD ΑE AF AG ΑН ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL1 WO 96/23067 08/01/1996 WIPO No Yes No Yes No Yes AO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Adams, M.D. et al., "Rapid cDNA sequencing (expressed sequence tags) from a directionally cloned AR 1 human infant brain cDNA library," Nature genetics 4:373-380 (1993) Chizzonite, R. et al., "Two high-affinity interleukin 1 receptors represent separate gene AS 1 products," Proc. Natl. Acad. Sci. USA 86(20):8029-8033 (1989) Colotta, F. et al., "Interleukin-1 Type II Receptor: A Decoy Target for IL-1 That Is Regulated by ΑT 1 1L-4," Science 261:472-475 (1993) EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

Page 2 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP 1647 August 26, 1997 To be assigned U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME SUB-CLASS | FILING DATE **CLASS** AΑ AB AC AD ΑE AG ΑH ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes ΑL No Yes No Yes AN No Yes No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Curtis, B.M. et al., "T-cell interleukin 1 receptor cDNA expressed in Chinease hamster ovary cells 2 regulates functional responses to interleukin 1," Proc. Natl. Acad. Sci. USA 86:3045-3049 (1989) AS 2 Dinarello, C.A. et al., "The interleukin 1 receptor," Immunol. Today 10(2):49-51 (1989) Dinarello, C.A., "Interleukin-1 and Interleukin-1 Antagonism," Blood 77(8):1627-1652 (1991) ΑT **EXAMINER** DATE CONSIDERED

Page 3 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP August 26, 1997 U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS | FILING DATE AA ΑB AC ΑD ΑE ΑF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL No Yes AM No Yes AN No Yes AO No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Dower, S.K. and J.E. Sims, "Structure and Function of Murine and Human IL-1 Receptors," in: AR Cellular and Molecular Mechanisms of Inflammation. Vol. 1. Academic Press, Orlando, FL, p. 137-172 3 (1990) Greenfeder, S.A.  $et\ al.$ , "Molecular Cloning and Characterization of a Second Subunit of the Interleukin 1 Receptor Complex,"  $J.\ Biol.\ Chem.\ 270(23):13757-13765$  (June 1995) AS. <u>3</u> Hibi, M. et al., "Molecular Cloning and Expression of an IL-6 Signal Transducer, gp130," Cell ΑT 63:1149-1157 (1990) **EXAMINER** DATE CONSIDERED

Page 4 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP August 26, 1997 Te-be-assigned U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS | FILING DATE AA AB AC AD ΑE AF AG AH ΑI AJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL No Yes AM No Yes AN No Yes ΑO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Kitamura, T. et al., "Expression Cloning of the Human IL-3 Receptor cDNA Reveals a Shared  $\beta$ AR 4 Subunit for the Human IL-3 and GM-CSF Receptors," Cell 66:1165-1174 (1991) Kupper, T.S. et al., "Interleukin 1 Binds to Specific Receptors on Human Keratinocytes and Induces Granulocyte Macrophage Colony-stimulating Factor mRNA and Protein," J. Clin. Invest. 82:1787-1792 AS <u>4</u> (1988)Liu, C. et al., "Rat homolog of mouse interleukin-1 receptor accessory protein: cloning, ΑT 4 localization and modulation studies," J. Neuroimmunology 66:41-48 (May 1996) **EXAMINER** DATE CONSIDERED

Page 5 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 **APPLICANT** BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP August 26, 1997 To\_be\_assigned U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS | FILING DATE AA AB AC AD ΑE ΑF AG ΑН ΑI ΑJ AK FOREIGN PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE COUNTRY TRANSLATION CLASS SUB-CLASS Yes ΑL No Yes No Yes AN No Yes AO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Mancilla, J. et al., "Glycosylation of the Interleukin-1 Receptor Type I is Required for Optimal AR 5 Binding of Interleukin-1," Lymph. Cytok. Res. 11(4):197-205 (1992) McMahan, C.J. et al., "A novel IL-1 receptor, cloned from B cells by mammalian expression, is expressed in many cell types," EMBO J. 10(10):2821-2832 (1991) AS 5 Minami, Y. et al., "The IL-2 Receptor Complex: Its Structure, Function, and Target Genes," Annu. ΑT Rev. Immunol. 11:245-268 (1993) **EXAMINER** DATE CONSIDERED

Page 6 of 9 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT BEDNARIK et al. INFORMATION DISCLOSURE STATEMENT FILING DATE **GROUP** August 26, 1997 For be assigned U.S. PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE NAME **CLASS** FILING DATE SUB-CLASS AA AB AC AD ΑE AG ΑH ΑI ΑJ AK FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS | TRANSLATION AL No Yes AM No Yes AN No Yes No Yes AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Pimentel, E., "Interleukins and Cytokines," in: Handbook of Growth Factors: Volume III. CRC Press, 6 Inc., Boca Raton, FL, p. 35-53 (1994) Sims, J.E. et al., "cDNA Expression Cloning of the IL-1 Receptor, a Member of the Immunoglobulin AS <u>6</u> Superfamily," Science 241:585-589 (1988) Sims, J.E. et al., "Cloning the interleukin 1 receptor from human T cells," Proc. Natl. Acad. Sci. ΑT USA 86:8946-8950 (1989) EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Page 12 of 14 ATTY. DOCKET NO. APPLICATION NO. 1488.0450001 08/917,710 FORM PTO-1449 APPLICANT Bednarik et al. FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP August 26, 1997 1646 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME **CLASS** SUB-CLASS FILING DATE AA ΑB AC ΑD ΑE ΑF AG ΑH ΑI ΑJ ΑK FOREIGN PATENT DOCUMENTS **EXAMINER** INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL No Yes No Yes AN No Yes ΑO No Yes AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) NCBI Entrez, GenBank Report with Revision History, Accession No. AA752108, Nahm, B.H. et al. AR <u>20</u> (1998)NCBI Entrez, GenBank Report with Revision History, Accession No. AA751717, Nahm, B.H. et al. AS <u>20</u> NCBI Entrez, GenBank Report with Revision History, Accession No. AA751726, Nahm, B.H. et al. ΑT <u>20</u> (1998)

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